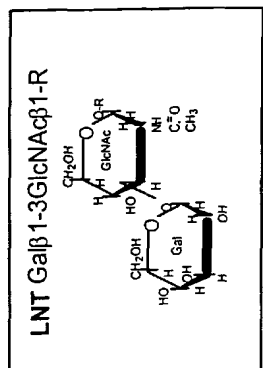
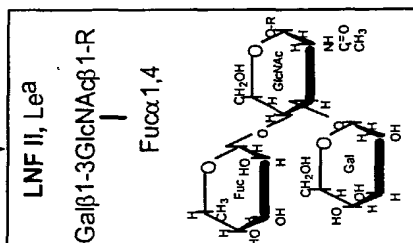


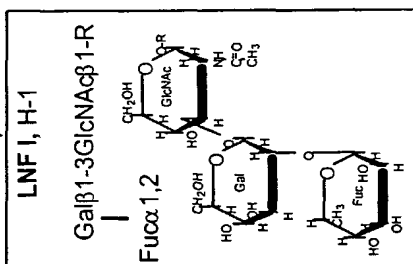
Type 1



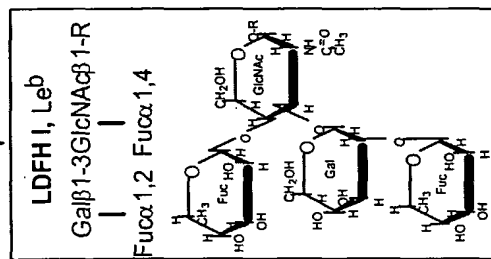
Le



Se



Le



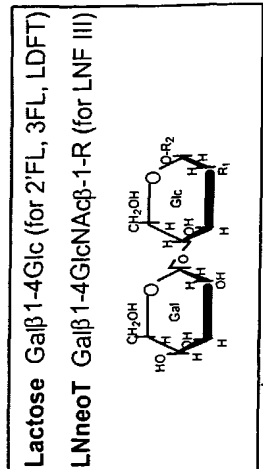
A

B

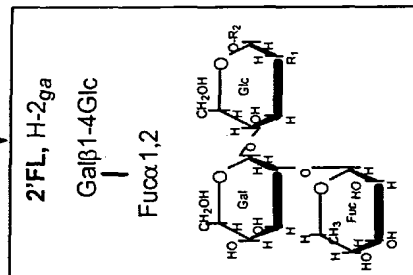
A1

B1

Type 2

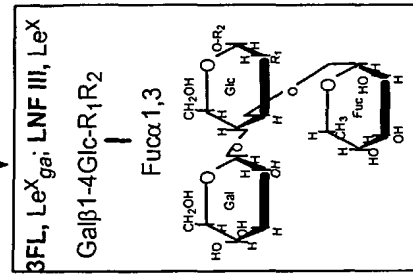


Se



Le

FUT4,5,6,7



A

B

A2

B2

Le

FUT4,5,6,7

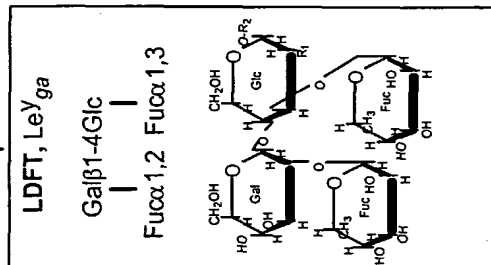


FIG. 1

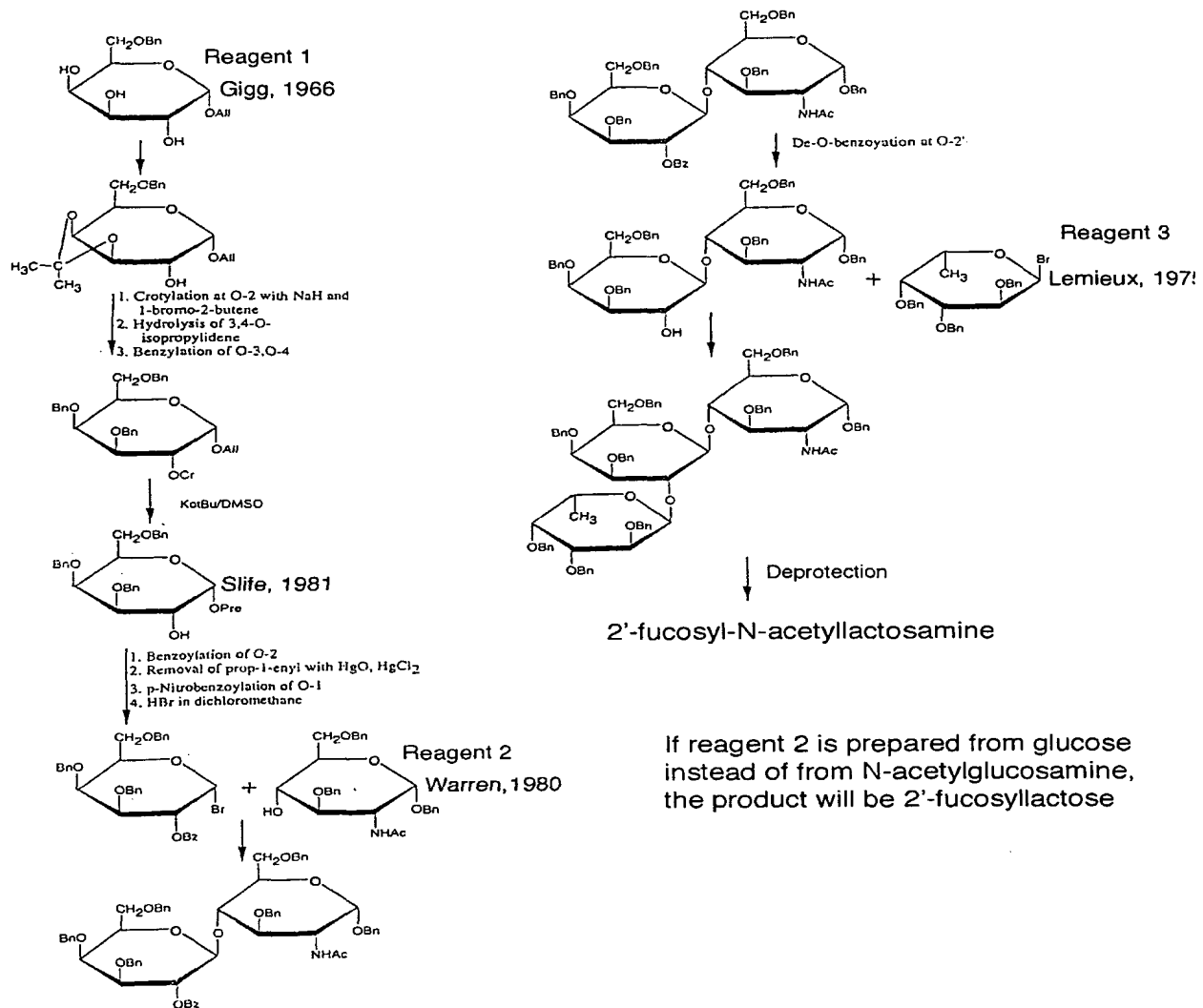


FIG. 2

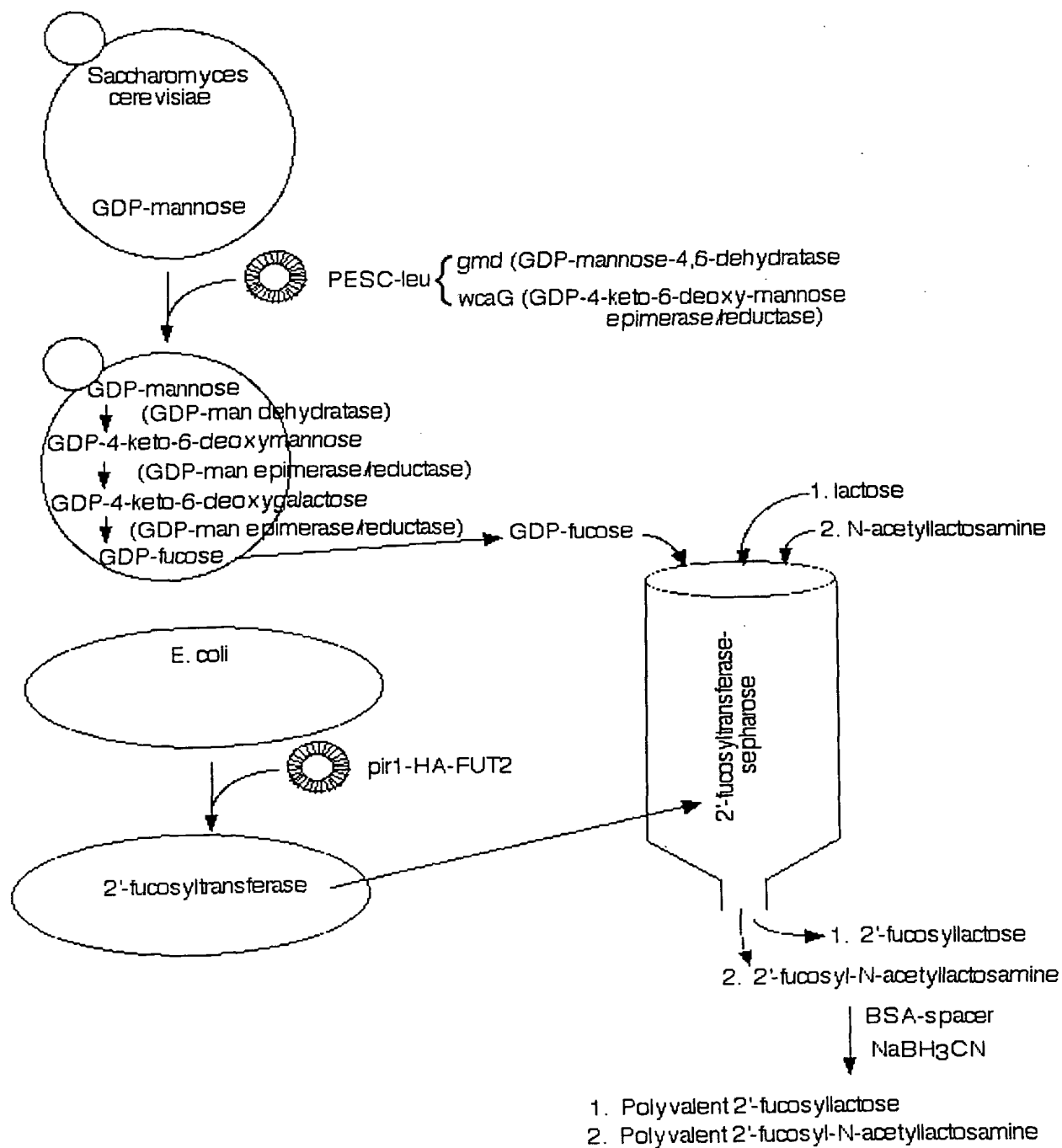


FIG. 3

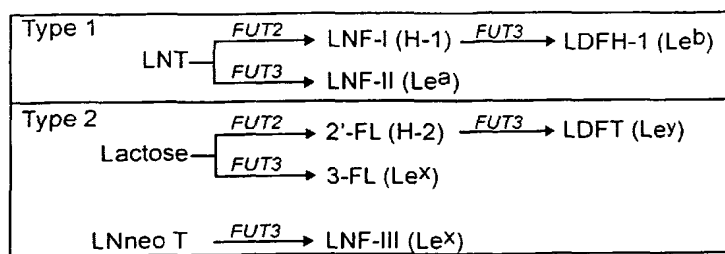


FIG. 4

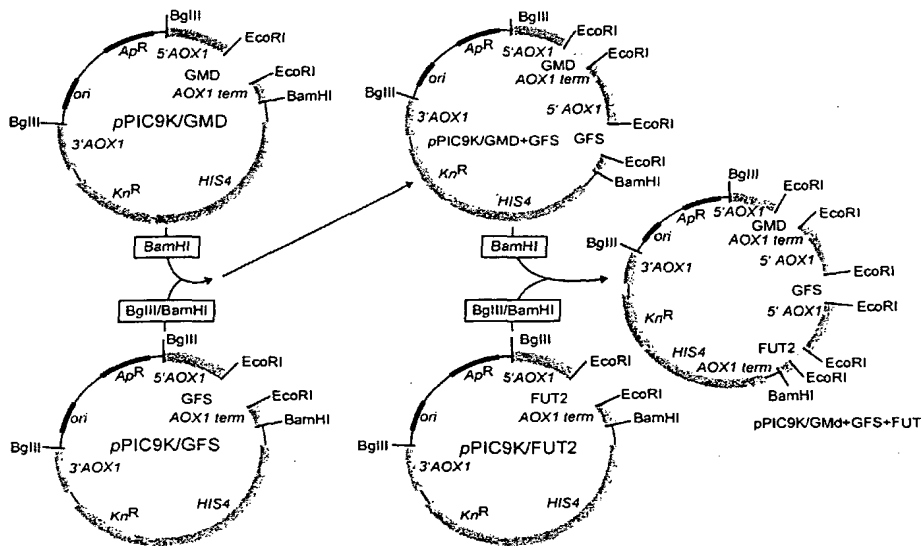


FIG. 5

FIG. 6A

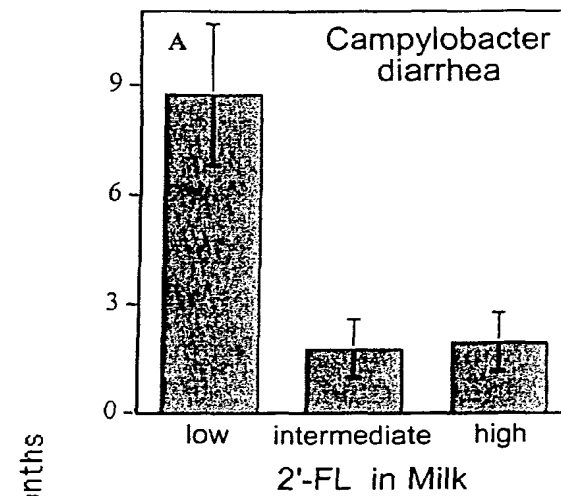


FIG. 6B

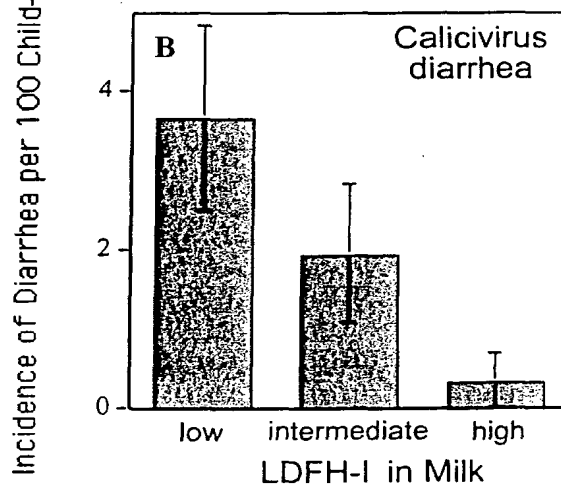
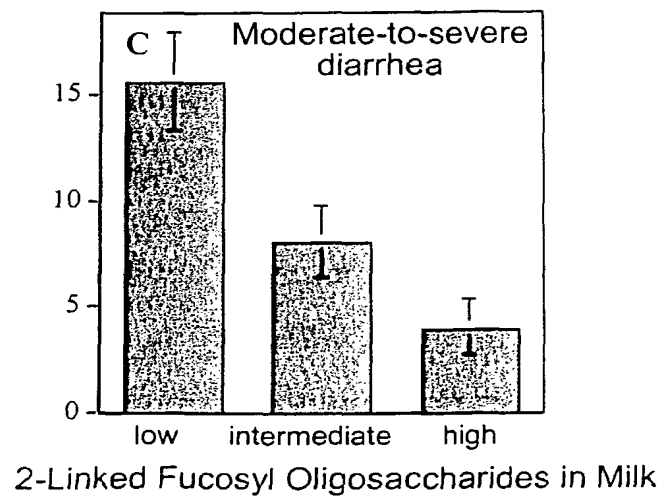


FIG. 6C



PCT/US04/40882

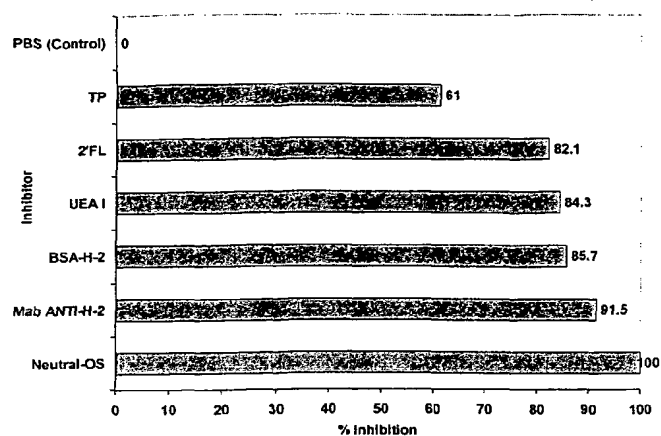


FIG. 7

Cells	Pathogenic					Non Pathogenic	
	UEA I	INN 287IP	INN 84SP	INN 166IP	NN 10SP	INN 50SP	INN 57SP
FUT1 ($\alpha 1,2$)	3+	2+	2+	1+	2+	0	0
FUT3 ($\alpha 1,3$)	0	0	0	0	0	0	0
FUT4 ($\alpha 1,3$ and $\alpha 1,4$)	0	0	0	0	0	0	0
Parental CHO	0	0	0	0	0	0	0

FIG. 8

FIG 9A

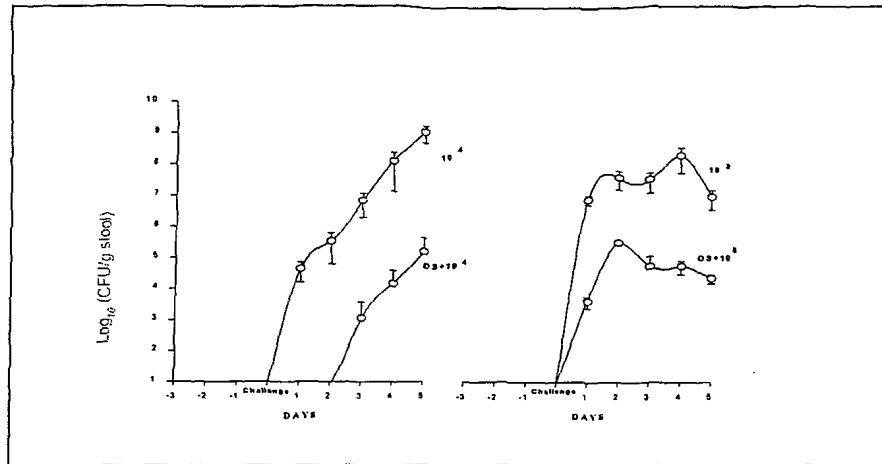
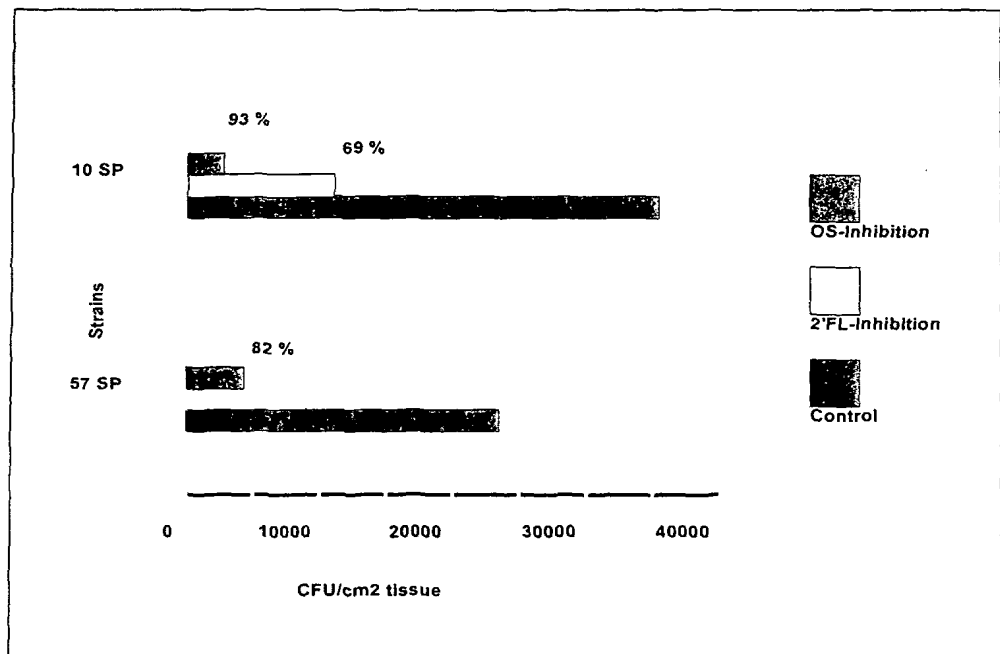


FIG 9B



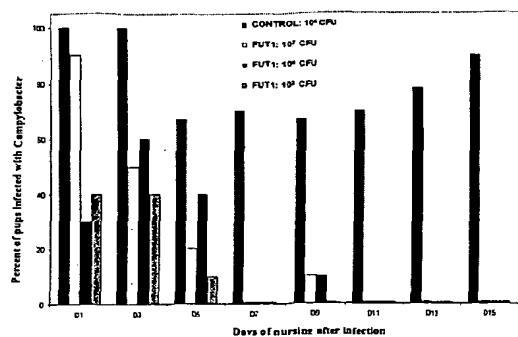


FIG. 10A

Days after Infection	Transgenic (FUT1)			Non-Transgenic
	Campylobacter inoculum (CFU/ml)			
	$\times 10^4$	$\times 10^8$	$\times 10^9$	Control $\times 10^8$
1	40	30	90	100
3	40	60	50	100
5	10	40	20	67
7	0	0	0	70
9	0	10	20	67
11	0	0	0	70
13	0	0	0	78
15	0	0	0	88

FIG 10B